

TGAAAGACCC CACCTGTAGG TTTGGCAAGC TAGCTTAAGT AACGCCATTT	1
TGCAAGGCAT GGAAAAATAC ATAAGTGAAG ATAGAGAAGT TCAGATCAAG	51
GTCAGGAACA GATGGAACAG CTGAATATGG GCCAAACAGG ATATCTGTGG	101
TAAGCAGTTC CTGCCCCGGC TCAGGGCCAA GAACAGATGG AACAGCTGAA	151
TATGGGCCAA ACAGGATATC TGTGGTAAGC AGTTCCTGCC CCGGCTCAGG	201
GCCAAGAACA GATGGTCCCC AGATGCGGTC CAGCCCTCAG CAGTTTCTAG	251
AGAACCATCA GATGTTTCCA GGGTGCCCCA AGGACCTGAA ATGACCCTGT	301
GCCTTATTTG AACTAACCAA TCAGTTCGCT TCTCGCTTCT GTTCGCGCGC	351
TTCTGCTCCC CGAGCTCAAT AAAAGAGCCC ACAACCCCTC ACTCGGGGCG	401
CCAGTCCTCC GATTGACTGA GTCGCCCCGG TACCCGTGTA TCCAATAAAC	451
CCTCTTGCAG TTGCATCCGA CTTGTGGTCT CGCTGTTCTT TGGGAGGGTC	501
TCCTCTGAGT GATTGACTAC CCGTCAGCGG GGGTCTTTCA TTTGGGGGGT	551
CGTCCGGGAT CGGGAGACCC CTGCCCAGGG ACCACCGACC CACCACCGGG	601
AGGTAAGCTG GCCAGCAACT TATCTGTGTC TGTCCGATTG TCTAGTGTCT	651
ATGACTGATT TTATGCGCCT GCGTCGGTAC TAGTTAGCTA ACTAGCTCTG	701
TATCTGGCGG ACCCGTGGTG GAACTGACGA GTTCGGAACA CCCGGCCGCA	751
ACCTGGGAG ACGTCCCAGG GACTTCGGGG GCCGTTTTTG TGGCCCGACC	801
TGAGTCCAAA AATCCCGATC GTTTTGGACT CTTTGGTGCA CCCCCCTTAG	851

FIG. 1A

AGGAGGGATA TGTGGTCTG GTAGGAGACG AGAACCTAAA ACAGTTCCCG	901
CCTCCGTCTG AATTTTGTCT TTCGGTTTGG GACCGAAGCC GCGCCGCGCG	951
TCTTGTCTGC TGCAGCATCG TTCTGTGTTG TCTCTGTCTG ACTGTGTTTC	1001
TGTATTTGTC TGAGAATATG GGCCCGCGGG CCAGACTGTT ACCACTCCCT	1051
TAAGTTTGAC CTTAGGTCAC TGGAAAGATG TCGAGCGGAT CGCTCACAAC	1101
CAGTCGGTAG ATGTCAAGAA GAGACGTTGG GTTACCTTCT GCTCTGCAGA	1151
ATGGCCAACC TTTAACGTCG GATGGCCGCG AGACGGCACC TTTAACCGAG	1201
ACCTCATCAC CCAGGTAAAG ATCAAGGTCT TTTCACCTGG CCCGCATGGA	1251
CACCCAGACC AGGTCCCCTA CATCGTGACC TGGGAAGCCT TGGCTTTTGA	1301
CCCCCTCCC TGGGTCAAGC CCTTTGTACA CCCTAAGCCT CCGCCTCCTC	1351
TTCTCCATC CGCCCCGTCT CTCCCCCTTG AACCTCCTCG TTCGACCCCG	1401
CCTCGATCCT CCCTTTATCC AGCCCTCACT CCTTCTCTAG GCGCCAAACC	1451
TAAACCTCAA GTTCTTTCTG ACAGTGGGGG GCCGCTCATC GACCTACTTA	1501
CAGAAGACCC CCCGCCTTAT AGGGACCCAA GACCACCCCC TTCCGACAGG	1551
GACGGAAATG GTGGAGAAGC GACCCCTGCG GGAGAGGCAC CGGACCCCTC	1601
CCCAATGGCA TCTCGCCTAC GTGGGAGACG GGAGCCCCCT GTGGCCGACT	1651
CCACTACCTC GCAGGCATTC CCCCTCCGCG CAGGAGGAAA CGGACAGCTT	1701
CAATACTGGC CGTTCTCCTC TTCTGACCTT TACAACTGGA AAAATAATAA	1751

FIG. 1B

CCCTTCTTTT TCTGAAGATC CAGGTAAACT GACAGCTCTG ATCGAGTCTG 1801
 TTCTCATCAC CCATCAGCCC ACCTGGGACG ACTGTCAGCA GCTGTTGGGG 1851
 ACTCTGCTGA CCGGAGAAGA AAAACAACGG GTGCTCTTAG AGGCTAGAAA 1901
 GGGGGTGCGG GGGGATGATG GGGGCCCCAC TCAACTGCCC AATGAAGTCG 1951
 ATGCCGCTTT TCCCCTCGAG AATTCTACCG GGTAGGGGAG GCGCTTTTCC 2001
 CAAGGCAGTC TGGAGCATGC GCTTTAGCAG CCCCGCTGGC ACTTGGCGCT 2051
 ACACAAGTGG CCTCTGGCCT CGCACACATT CCACATCCAC CGGTAGCGCC 2101
 AACC GGCTCC GTTCTTTGGT GGCCCCTTCG CGCCACCTTC TACTCCTCCC 2151
 CTAGTCAGGA AGTTCCCCCC GCCCGCAGC TCGCGTCGTG CAGGACGTGA 2201
 CAAATGGAAG TAGCACGTCT CACTAGTCTC GTGCAGATGG ACAGCACCGC 2251
 TGAGCAATGG AAGCGGGTAG GCCTTTGGGG CAGCGGCCAA TAGCAGCTTT 2301
 GCTCCTTCGC TTTCTGGGCT CAGAGGCTGG GAAGGGGTGG GTCCGGGGGC 2351
 GGGCTCAGGG GCGGGCTCAG GGGCGGGGCG GGGCGGAAGG TCCTCCGGAG 2401
 CCCGGCATTG TGCACGCTTC AAAAGCGCAC GTCTGCCGCG CTGTTCTCCT 2451
 CTTCTCATC TCCGGGCCTT TCGACCGGAT CCGGCGATTA GTCCAATTTG 2501
 TTAAAGACAG GATATCAGTG GTCCAGGCTC TAGTTTTGAC TCAACAATAT 2551
 CACCAGCTGA AGCCTATAGA GTACGAGCCA TAGATAAAAT AAAAGATTTT 2601
 ATTTAGTCTC CAGAAAAAGG GGGGAATGAA AGACCCACC TGTAGGTTTG 2651

FIG. 1C

GCAAGCTAGC TTAAGTAACG CCATTTTGCA AGGCATGGAA AAATACATAA 2701
CTGAGAATAG AGAAGTTCAG ATCAAGGTCA GGAACAGATG GAACAGGGTC 2751
GACCCTAGAG AACCATCAGA TGTTTCCAGG GTGCCCCAAG GACCTGAAAT 2801
GACCCTGTGC CTTATTTGAA CTAACCAATC AGTTGCTTC TCGCTTCTGT 2851
TCGCGCGCTT CTGCTCCCCG AGCTCAATAA AAGAGCCAC AACCCCTCAC 2901
TCGGGGCGCC AGTCCTCCGA TTGACTGAGT CGCCCGGGTA CCCGTGTATC 2951
CAATAAACCC TCTTGCAGTT GCATCCGACT TGTGGTCTCG CTGTTCTTG 3001
GGAGGGTCTC CTCTGAGTGA TTGACTACCC GTCAGCGGGG GTCTTTCATT 3051
TATGTGTCAT AAATATTTCT AATTTAAGA TAGTATCTCC ATTGGCTTTC 3101
TACTTTTTCT TTTTATTTT TTTTGTCTC TGTCTCCATG TGTGTTGTT 3151
GTTGTTGTT TGTGTTGTTG TTGGTTGGTT GGTTAATTT TTTTAAAGA 3201
TCCTACACTA TAGTTCAAGC TAGACTATTA GCTACTCTGT AACCCAGGGT 3251
GACCTTGAAG TCATGGGTAG CCTGCTGTTT TAGCCTTCCC ACATCTAAGA 3301
TTACAGGTAT GAGCTATCAT TTTGGTATAT TGATTGATTG ATTGATTGAT 3351
GTGTGTGTGT GTGATTGTGT TTGTGTGTGT GATTGTGTAT ATGTGTGTAT 3401
GGTTGTGTGT GATTGTGTGT ATGTATGTTT GTGTGTGATT GTGTGTGTGT 3451
GATTGTGCAT GTGTGTGTGT GATGTGTTAG TGTATGATTG TGTGTGTGTG 3501
TGTGTGTGTG TGTGTGTGTG TGTGTGTGTG TGTGTGTTGT GTATATATAT 3551

FIG. 1D

TTATGGTAGT GAGAGGCAAC GCTCCGGCCC AGGCGTCAGG TTGGTTTTTG 3601
AGACAGAGTC TTCACTTAG CTGAATTCT TGAAGACGAA AGGGCCTCGT 3651
GATACGCCTA TTTTATAGG TTAATGTCAT GATAATAATG GTTCTTAGA 3701
CGTCAGGTGG CACTTTTCGG GGAAATGTGC GCGGAACCCC TATTTGTTTA 3751
TTTTTCTAAA TACATTCAAA TATGTATCCG CTCATGAGAC AATAACCCTG 3801
ATAAATGCTT CAATAATATT GAAAAAGGAA GAGTATGAGT ATTCAACATT 3851
TCCGTGTGCG CCTTATCCC TTTTGTGCG CATTTTGCCT TCCTGTTTTT 3901
GCTCACCAG AACGCTGGT GAAAGTAAAA GATGCTGAAG ATCAGTTGGG 3951
TGCACGAGTG GGTTACATCG AACTGGATCT CAACAGCGGT AAGATCCTTG 4001
AGAGTTTTCG CCCCAGAGAA CGTTTTCAA TGATGAGCAC TTTTAAAGTT 4051
CTGCTATGTG GCGCGGTATT ATCCCGTGT GACGCCGGG AAGAGCAACT 4101
CGGTCGCCGC ATACACTATT CTCAGAATGA CTTGGTTGAG TACTCACCAG 4151
TCACAGAAAA GCATCTTACG GATGGCATGA CAGTAAGAGA ATTATGCAGT 4201
GCTGCCATAA CCATGAGTGA TAACACTGCG GCCAACTTAC TTCTGACAAC 4251
GATCGGAGGA CCGAAGGAGC TAACCGCTTT TTTGCACAAC ATGGGGGATC 4301
ATGTAAC TCG CCTTGATCGT TGGGAACCGG AGCTGAATGA AGCCATACCA 4351
AACGACGAGC GTGACACCAC GATGCCTGCA GCAATGGCAA CAACGTTGCG 4401
CAAAC TATTA ACTGGCGAAC TACTTACTCT AGCTTCCCGG CAACAATTAA 4451

FIG. 1E

TAGACTGGAT GGAGGCGGAT AAAGTTGCAG GACCACTTCT GCGCTCGGCC	4501
CTTCCGGCTG GCTGGTTTAT TGCTGATAAA TCTGGAGCCG GTGAGCGTGG	4551
GTCTCGCGGT ATCATTGCAG CACTGGGGCC AGATGGTAAG CCCTCCCGTA	4601
TCGTAGTTAT CTACACGACG GGGAGTCAGG CAACTATGGA TGAACGAAAT	4651
AGACAGATCG CTGAGATAGG TGCCTCACTG ATTAAGCATT GGTAAGTGTG	4701
AGACCAAGTT TACTCATATA TACTTTAGAT TGATTTAAAA CTTCAATTTT	4751
AATTTAAAAG GATCTAGGTG AAGATCCTTT TTGATAATCT CATGACCAAA	4801
ATCCCTTAAC GTGAGTTTTT GTTCCACTGA GCGTCAGACC CCGTAGAAAA	4851
GATCAAAGGA TCTTCTTGAG ATCCTTTTTT TCTGCGCGTA ATCTGCTGCT	4901
TGCAAACAAA AAAACCACCG CTACCAGCGG TGGTTTGTTT GCCGGATCAA	4951
GAGCTACCAA CTCTTTTTCC GAAGGTAAGT GGCTTCAGCA GAGCGCAGAT	5001
ACCAAATACT GTCCTTCTAG TGTAGCCGTA GTTAGGCCAC CACTTCAAGA	5051
ACTCTGTAGC ACCGCCTACA TACCTCGCTC TGCTAATCCT GTTACCAGTG	5101
GCTGCTGCCA GTGGCGATAA GTCGTGTCTT ACCGGGTTGG ACTCAAGACG	5151
ATAGTTACCG GATAAGGCGC AGCGGTCGGG CTGAACGGGG GGTTCGTGCA	5201
CACAGCCCAG CTTGGAGCGA ACGACCTACA CCGAACTGAG ATACCTACAG	5251
CGTGAGCTAT GAGAAAGCGC CACGCTTCCC GAAGGGAGAA AGGCGGACAG	5301
GTATCCGGTA AGCGGCAGGG TCGGAACAGG AGAGCGCACG AGGGAGCTTC	5351

FIG. 1F

CAGGGGGAAA CGCCTGGTAT CTTTATAGTC CTGTCGGGTT TCGCCACCTC	5401
TGACTTGAGC GTCGATTTTT GTGATGCTCG TCAGGGGGGC GGAGCCTATG	5451
GAAAAACGCC AGCAACGCGG CCTTTTTACG GTTCCTGGCC TTTTGCTGGC	5501
CTTTTGCTCA CATGTTCTTT CCTGCGTTAT CCCCTGATTC TGTGGATAAC	5551
CGTATTACCG CCTTTGAGTG AGCTGATACC GCTCGCCGCA GCCGAACGAC	5601
CGAGCGCAGC GAGTCAGTGA GCGAGGAAGC GGAAGAGCGC CTGATGCGGT	5651
ATTTTCTCCT TACGCATCTG TGCGGTATTT CACACCGCAT ATGGTGCACT	5701
CTCAGTACAA TCTGCTCTGA TGCCGCATAG TTAAGCCAGT ATACACTCCG	5751
CTATCGCTAC GTGACTGGGT CATGGCTGCG CCCCACACC CGCCAACACC	5801
CGCTGACGCG CCCTGACGGG CTTGTCTGCT CCCGGCATCC GCTTACAGAC	5851
AAGCTGTGAC CGTCTCCGGG AGCTGCATGT GTCAGAGGTT TTCACCGTCA	5901
TCACCGAAAC GCGCGAGGCA GCTGCGGTAA AGCTCATCAG CGTGGTCGTG	5951
AAGCGATTCA CAGATGTCTG CCTGTTTCATC CGCGTCCAGC TCGTTGAGTT	6001
TCTCCAGAAG CGTTAATGTC TGGCTTCTGA TAAAGCGGGC CATGTTAAGG	6051
GCGGTTTTTT CCTGTTTGGT CACTGATGCC TCCGTGTAAG GGGGATTCT	6101
GTTTCATGGG GTAATGATAC CGATGAAACG AGAGAGGATG CTCACGATAC	6151
GGGTTACTGA TGATGAACAT GCCCGGTTAC TGGAACGTTG TGAGGGTAAA	6201
CAACTGGCGG TATGGATGCG GCGGGACCAG AGAAAAATCA CTCAGGGTCA	6251

FIG. 1G

ATGCCAGCGC TTCGTTAATA CAGATGTAGG TGTTCACAG GGTAGCCAGC	6301
AGCATCCTGC GATGCAGATC CGGAACATAA TGGTGCAGGG CGCTGACTTC	6351
CGCGTTTCCA GACTTTACGA AACACGGAAA CCGAAGACCA TTCATGTTGT	6401
TGCTCAGGTC GCAGACGTTT TGCAGCAGCA GTCGCTTCAC GTTCGCTCGC	6451
GTATCGGTGA TTCATTCTGC TAACCAGTAA GGCAACCCCG CCAGCCTAGC	6501
CGGGTCCTCA ACGACAGGAG CACGATCATG CGCACCCGTG GCCAGGACCC	6551
AACGCTGCCC GAGATGCGCC GCGTGCGGCT GCTGGAGATG GCGGACGCGA	6601
TGGATATGTT CTGCCAAGGG TTGGTTTGCG CATTACAGT TCTCCGCAAG	6651
AATTGATTGG CTCCAATTCT TGGAGTGGTG AATCCGTTAG CGAGGTGCCG	6701
CCGGCTTCCA TTCAGGTCTGA GGTGGCCCCG CTCCATGCAC CGCGACGCAA	6751
CGCGGGGAGG CAGACAAGGT ATAGGGCGGC GCCTACAATC CATGCCAACC	6801
CGTTCCATGT GCTCGCCGAG GCGGCATAAA TCGCCGTGAC GATCAGCGGT	6851
CCAGTGATCG AAGTTAGGCT GGTAAGAGCC GCGAGCGATC CTTGAAGCTG	6901
TCCCTGATGG TCGTCATCTA CCTGCCTGGA CAGCATGGCC TGCAACGCGG	6951
GCATCCCGAT GCCGCCGGAA GCGAGAAGAA TCATAATGGG GAAGGCCATC	7001
CAGCCTCGCG TCGCGAACGC CAGCAAGACG TAGCCCAGCG CGTCGGCCGC	7051
CATGCCGGCG ATAATGGCCT GCTTCTCGCC GAAACGTTTG GTGGCGGGAC	7101
CAGTGACGAA GGCTTGAGCG AGGGCGTGCA AGATTCCGAA TACCGCAAGC	7151

FIG. 1H

GACAGGCCGA TCATCGTCGC GCTCCAGCGA AAGCGGTCCT CGCCGAAAAT	7201
GACCCAGAGC GCTGCCGGCA CCTGTCCTAC GAGTTGCATG ATAAAGAAGA	7251
CAGTCATAAG TCGGGCGACG ATAGTCATGC CCCGCGCCCA CCGGAAGGAG	7301
CTGACTGGGT TGAAGGCTCT CAAGGGCATC GGTCGACGCT CTCCTTATG	7351
CGACTCCTGC ATTAGGAAGC AGCCCAGTAG TAGGTTGAGG CCGTTGAGCA	7401
CCGCCGCCGC AAGGAATGGT GCATGCAAGG AGATGGCGCC CAACAGTCCC	7451
CCGGCCACGG GGCCTGCCAC CATACCCACG CCGAAACAAG CGCTCATGAG	7501
CCCGAAGTGG CGAGCCCGAT CTTCCCATC GGTGATGTCG GCGATATAGG	7551
CGCCAGCAAC CGCACCTGTG GCGCCGGTGA TGCCGGCCAC GATGCGTCCG	7601
GCGTAGAGCG CCACAGGACG GGTGTGGTCG CCATGATCGC GTAGTCGATA	7651
GTGGCTCCAA GTAGCGAAGC GAGCAGGACT GGGCGGCGGC CAAAGCGGTC	7701
GGACAGTGCT CCGAGAACGG GTGCGCATAG AAATTGCATC AACGCATATA	7751
GCGCTAGCAG CACGCCATAG TGA CTGGCGA TGCTGTCGGA ATGGACGATA	7801
TCCCGCAAGA GGCCCGGCAG TACCGGCATA ACCAAGCCTA TGCCTACAGC	7851
ATCCAGGGTG ACGGTGCCGA GGATGACGAT GAGCGCATTG TTAGATTTC	7901
TACACGGTGC CTGACTGCGT TAGCAATTTA ACTGTGATAA ACTACCGCAT	7951
TAAAGCTTTG CTTAGGAGTT TCCTAATACA TCCCAAAC TC AAATATATAA	8001
GCATTTGACT TGTTCTATGC CCTAGGGGGA GGGGGGAAGC TAAGCCAGCT	8051

FIG. 1I

TTTTTTAACA TTAAAAATGT TAATTCCATT TTAAATGCAC AGATGTTTTT 8101
ATTCATAAG GGTTTCAATG TGCATGAATG TCGCAATATC CTGTTACCAA 8151
AGCTAGTATA AATAAAAATA GATAAACGTG GAAATTACTT AGAGTTTCTG 8201
TCATTAACGT TTCCTTCCTC AGTTGACAAC ATAAATGCGC TGCTGAGAAG 8251
CCAGTTTGCA TCTGTCAGGA TCAATTTCCA TTATGCCAGT CATATTAATT 8301
ACTAGTCAAT TAGTTGATTT TTGACATATA CATGTGAA

FIG. 1J

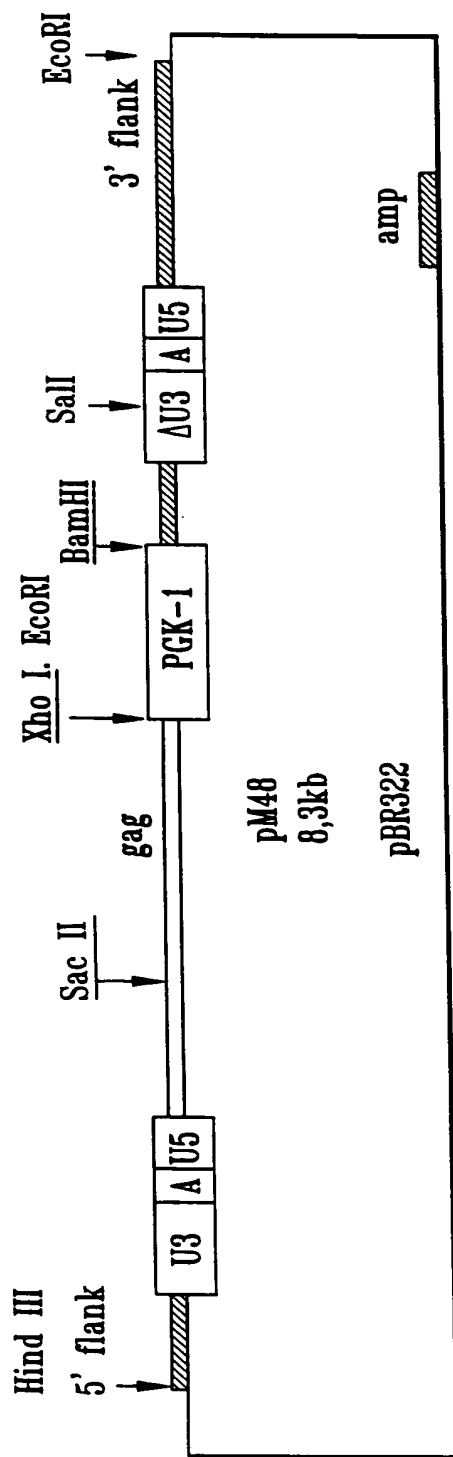


FIG. 2